

**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody**  
**Catalog # ABO14257****Specification**

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**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IP
Primary Accession	<a href="#">Q15661</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 7177

**Other Names**

Tryptase alpha/beta-1, Tryptase-1, 3.4.21.59, Tryptase I, Tryptase alpha-1, TPSAB1, TPS1, TPS2, TPSB1

**Calculated MW**

30515 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50

**Subcellular Localization**

Secreted. Released from the secretory granules upon mast cell activation..

**Tissue Specificity**

Isoform 1 and isoform 2 are expressed in lung, stomach, spleen, heart and skin; in these tissues, isoform 1 is predominant. Isoform 2 is expressed in aorta, spleen, and breast tumor, with highest levels in the endothelial cells of some blood vessels surrounding the aorta, as well as those surrounding the tumor and low levels, if any, in mast cells (at protein level)..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Mast Cell Tryptase

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody - Protein Information**

**Name** TPSAB1

**Synonyms** TPS1, TPS2, TPSB1

**Function**

Tryptase is the major neutral protease present in mast cells and is secreted upon the coupled activation-degranulation response of this cell type. May play a role in innate immunity. Isoform 2 cleaves large substrates, such as fibronectin, more efficiently than isoform 1, but seems less efficient toward small substrates (PubMed:<a href="http://www.uniprot.org/citations/18854315" target="\_blank">18854315</a>).

**Cellular Location**

Secreted. Note=Released from the secretory granules upon mast cell activation.

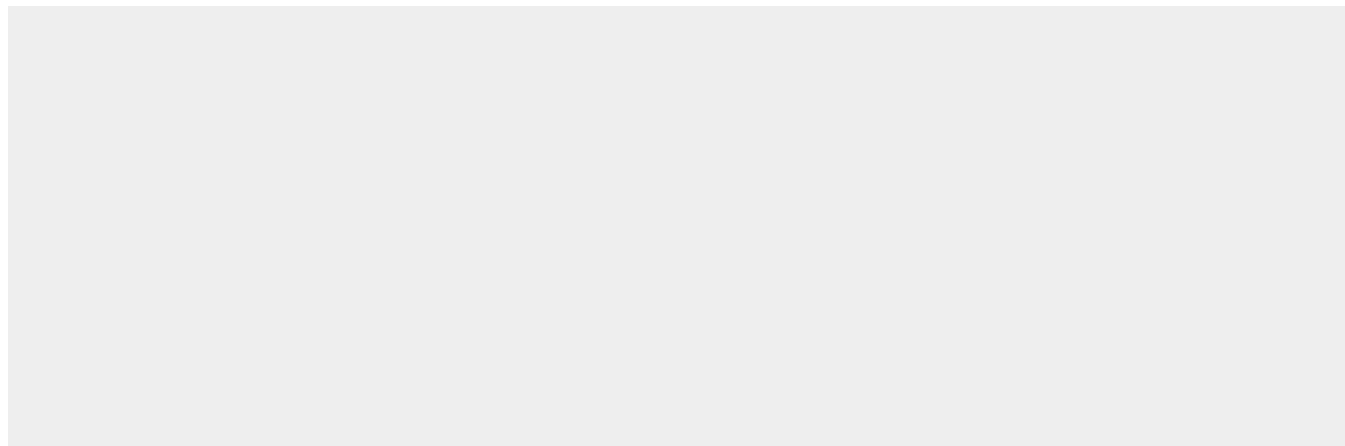
**Tissue Location**

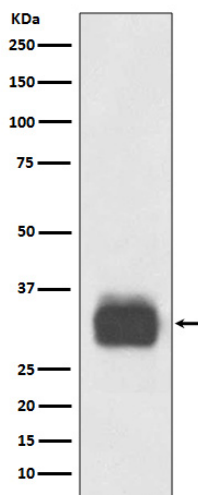
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**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody - Protocols**

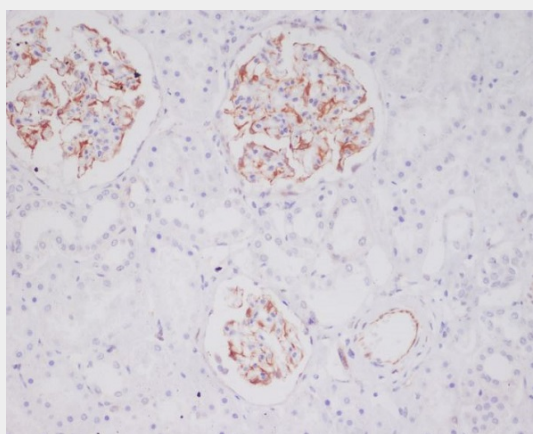
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Mast Cell Tryptase Rabbit Monoclonal Antibody - Images**



Western blot analysis of Mast Cell Tryptase expression in Human tonsil lysate.



Immunohistochemical analysis of paraffin-embedded human kidney, using Mast Cell Tryptase Antibody.